



QUANTUM IMPROVEMENTS CONSULTING

## Job Description

Title: Human Factors Research - Intern

Reports to: Manager

Promotable to: Human Factors Engineer I

### **Purpose:**

The role of a Human Factors Intern is to work collaboratively with team members to plan, execute, and evaluate research and design activities in support of defense, other government, or industry clients. Research topics will include: training systems design, training effectiveness evaluation, adaptive training, human performance assessment using behavioral and physiological means, and other related topics. Design activities will include the creation of personas, wireframes, mockups and content in support of the development of software, objects, facilities, or environments to optimize human well-being.

### **Duties and Responsibilities:**

- Assist in preparing critical reviews of research literature
- Support the execution of research project plans
- Support activities such as interviews, focus groups, user needs analysis, cognitive task analysis, and other analyses to identify training needs
- Apply human factors principles and theory to software design
- Apply human factors principles to the design of user interfaces
- Interface with clients and ensure they receive excellent service
- Support data collection activities
- Support data entry activities
- Perform data processing and statistical analyses using software including MS Excel, SPSS, R, Python

### **Qualifications:**

- U.S. Citizen
- Currently pursuing MS/MA or Ph.D. in Human Factors, Cognitive or Experimental Psychology, Applied Psychology, Modeling and Simulation or other relevant area of study.
- Expertise in technology-based training, human performance assessment, game-based training, simulation, adaptive training, mobile learning or instructional design
- Familiarity with military training (preferred)

- Strong written and oral communication skills
- Experience supporting experimental research projects related to human performance, human factors, education, or training
- Experience supporting data collection efforts
- Experience with complex statistical analyses including multiple regression, ANOVA
- Familiarity with Microsoft Word, Excel, PowerPoint, Project, SPSS, R, Python
- Ability to obtain and maintain a SECRET level clearance

**Work Environment:**

This position does not require physical activities beyond a typical office environment. It does require computer use, web-based video communications (e.g. MS Teams, Zoom, Skype, Google Hangouts), and telephone use.

**Travel:**

The Human Factors Intern will not be required to travel. However, there may be opportunities to travel to conduct data collection and other information-gathering activities at military, other government, and industry installations. Field work is an integral part of what we do and will be a valuable learning experience for you.

**Security Clearance:**

All employees must have or be capable of acquiring a Secret DoD security clearance. Guidelines indicating those items that may prevent you from obtaining a security clearance can be found here: <http://www.fas.org/sgp/isoo/guidelines.html>.